(a) a first primer comprising a polynucleotide having a sequence of from 10 to 50 nucleotides in length which hybridizes to a genomic polynucleic acid from an Iowa strain of porcine reproductive and respiratory syndrome virus selected from the group consisting of ISU-22 (VR 2385 or VR 2386), ISU-22 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431), ISU-79 (VR 2474) and ISU-1894 (VR 2475), but does not hybridize to polynucleic acid from Lelystad virus at a temperature of from 25 to 75°C,

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(b) a second primer comprising a polynucleotide having a sequence of from 10 to 50 nucleotides in length which hybridizes to said genomic polynucleic acid from said Iowa strain of porcine reproductive and respiratory syndrome virus, but does not hybridize to polynucleic acid from Lelystad virus at a temperature of from 25 to 75°C and being downstream from the sequence to which said first primer hybridizes, and

(c) a reagent which enables detection of an amplified polynucleic acid.

31. The diagnostic kit of Claim 30, wherein said reagent is an intercalating dye, the fluorescent properties of which change upon intercalation into double-stranded DNA.

39. (New) A diagnostic kit for assaying a porcine reproductive and respiratory syndrome virus, comprising:

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(a) a first primer comprising a polynucleotide having a sequence of from 10 to 50 nucleotides in length which hybridizes to a genomic polynucleic acid from an Iowa strain of porcine reproductive and respiratory syndrome virus selected from the group consisting of ISU-22 (VR 2385 or VR 2386), ISU-22 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR

2431), ISU-79 (VR 2474) and ISU-1894 (VR 2475), and also hybridizes to polynucleic acid from Lelystad virus at a temperature of from 25 to 75°C,

(b) a second primer comprising a polynucleotide having a sequence of from 10 to 50 nucleotides in length which hybridizes to said genomic polynucleic acid from said Iowa strain of porcine reproductive and respiratory syndrome virus, and also hybridizes to polynucleic acid from Lelystad virus at a temperature of from 25 to 75°C and being downstream from the sequence to which said first primer hybridizes, and

(c) a reagent which enables detection of an amplified polynucleic acid.

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40. (New) The diagnostic kit of Claim 39, wherein said reagent is an intercalating dye, the fluorescent properties of which change upon intercalation into double-stranded DNA.